

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
27 January 2005 (27.01.2005)

PCT

(10) International Publication Number
WO 2005/007540 A2

(51) International Patent Classification⁷:

B65G

(21) International Application Number:

PCT/US2004/022458

(22) International Filing Date: 13 July 2004 (13.07.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/487,338 14 July 2003 (14.07.2003) US

60/544,932 13 February 2004 (13.02.2004) US

(63) Related by continuation (CON) or continuation-in-part (CIP) to earlier applications:

US 60/487,338 (CIP)

Filed on 14 July 2003 (14.07.2003)

US 60/544,932 (CIP)

Filed on 13 February 2004 (13.02.2004)

(71) Applicant and

(72) Inventor: ABLER, Lawrence, J. [US/US]; 4702 152nd Place SE, Bellevue, WA 98006 (US).

(74) Agent: ASHEN, Robert, M.; 19040 Wilshire Boulevard, 18th Floor, Los Angeles, CA 90024 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

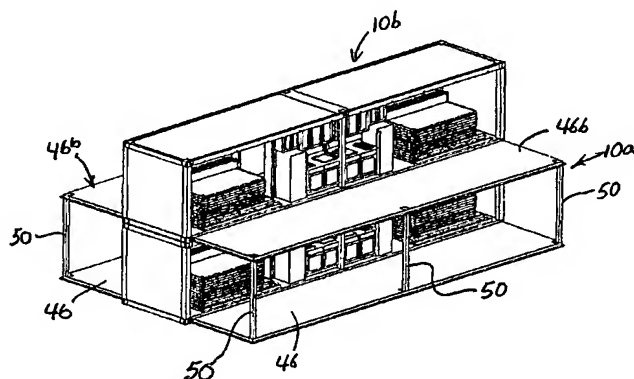
— of inventorship (Rule 4.17(iv)) for US only

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CONTAINERIZED TRANSPORTABLE BUILDING STRUCTURE AND METHOD OF ASSEMBLY



(57) Abstract: Method and apparatus for transforming a plurality of standard-size shipping containers into a finished multi-level building structure of a scale to accommodate humans. Each of the illustrated shipping containers has an open generally rectangular center structural frame which supports panels to provide exterior base, end and top walls. A pair of movable side walls, each having a structural frame and wall panel, are connected to the center frame to complete the enclosure. The containers hold wall and roof sections. Initially the containers are stacked atop one another with their base walls at the bottom. Then, starting at the lowermost container, the side walls, which are hingedly connected along their bottom edges to the center frame, are opened by being pivoted outwardly, downwardly to provide extended floor portions that are in general horizontal alignment with the associated base wall. Then support structures or members are secured to that extended floor portions to provide support for the extended floor portions of the next higher level. Next, the moveable side walls of the next higher container are similarly opened and secured to the support members so as to generally vertically align with the extended floor portions below them. This continues until all the stacked containers have been opened. Finally, wall and roof panels stored in the containers are removed and installed.

WO 2005/007540 A2